

**FIG. 1**

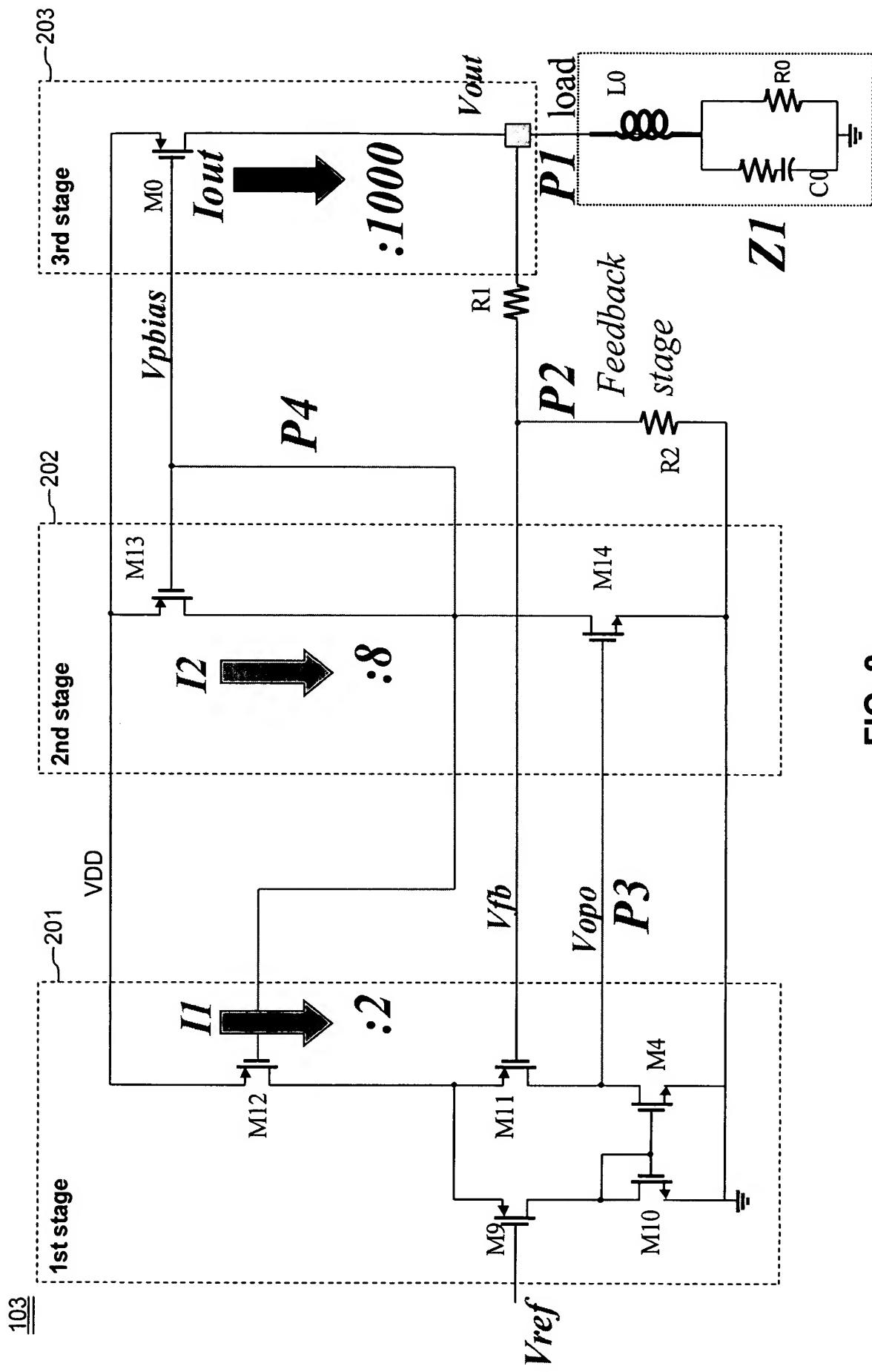
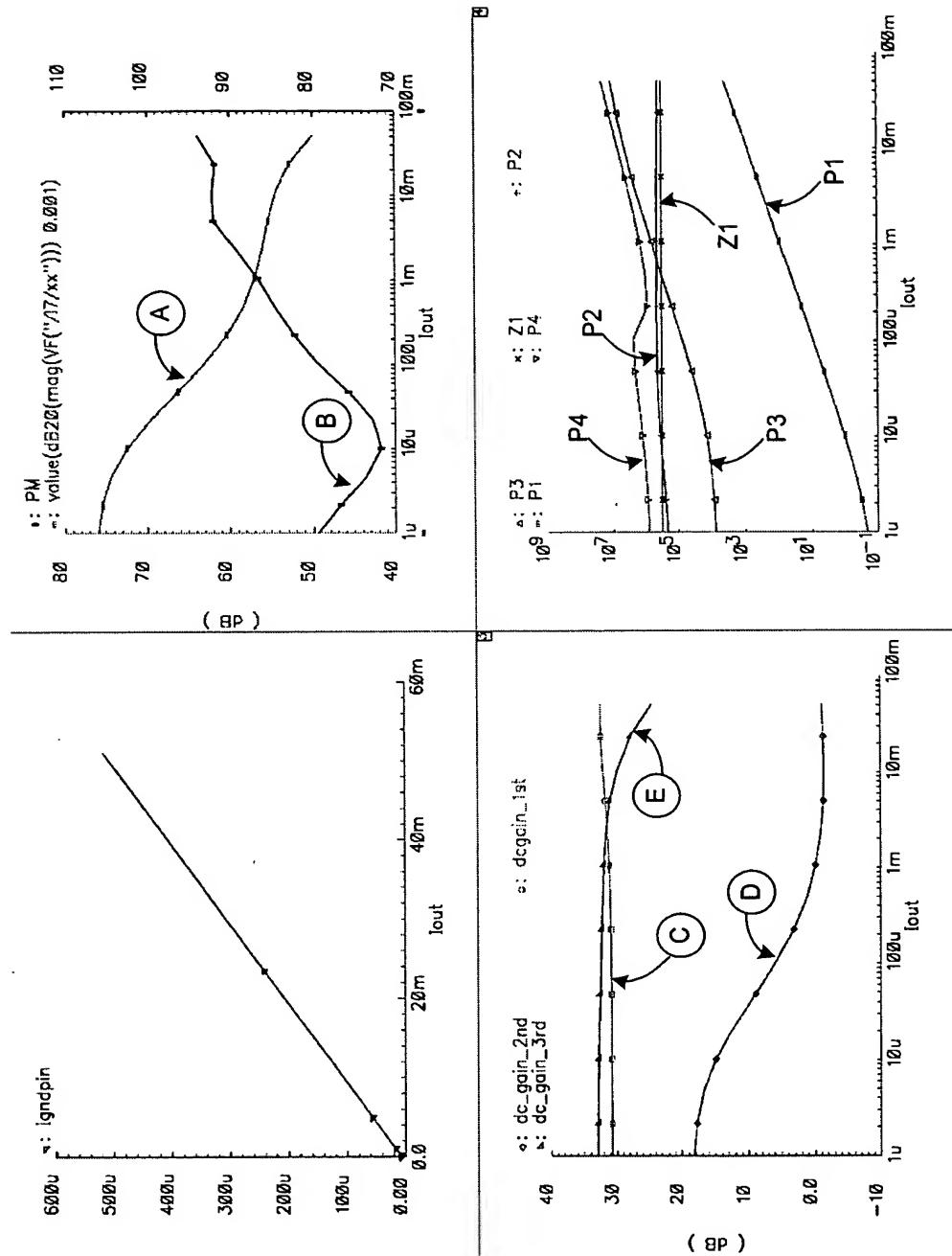


FIG. 2

FIG. 3



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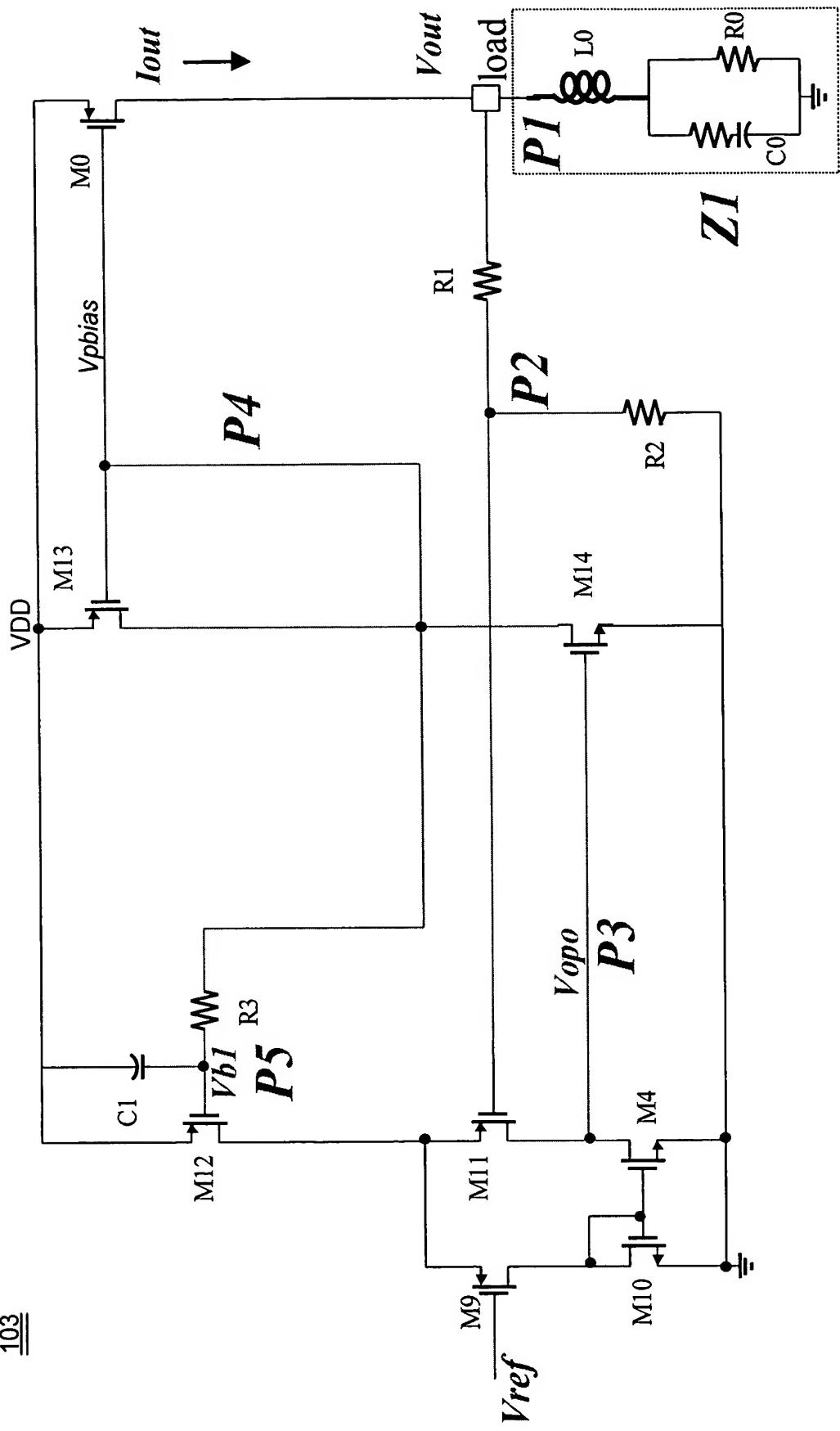
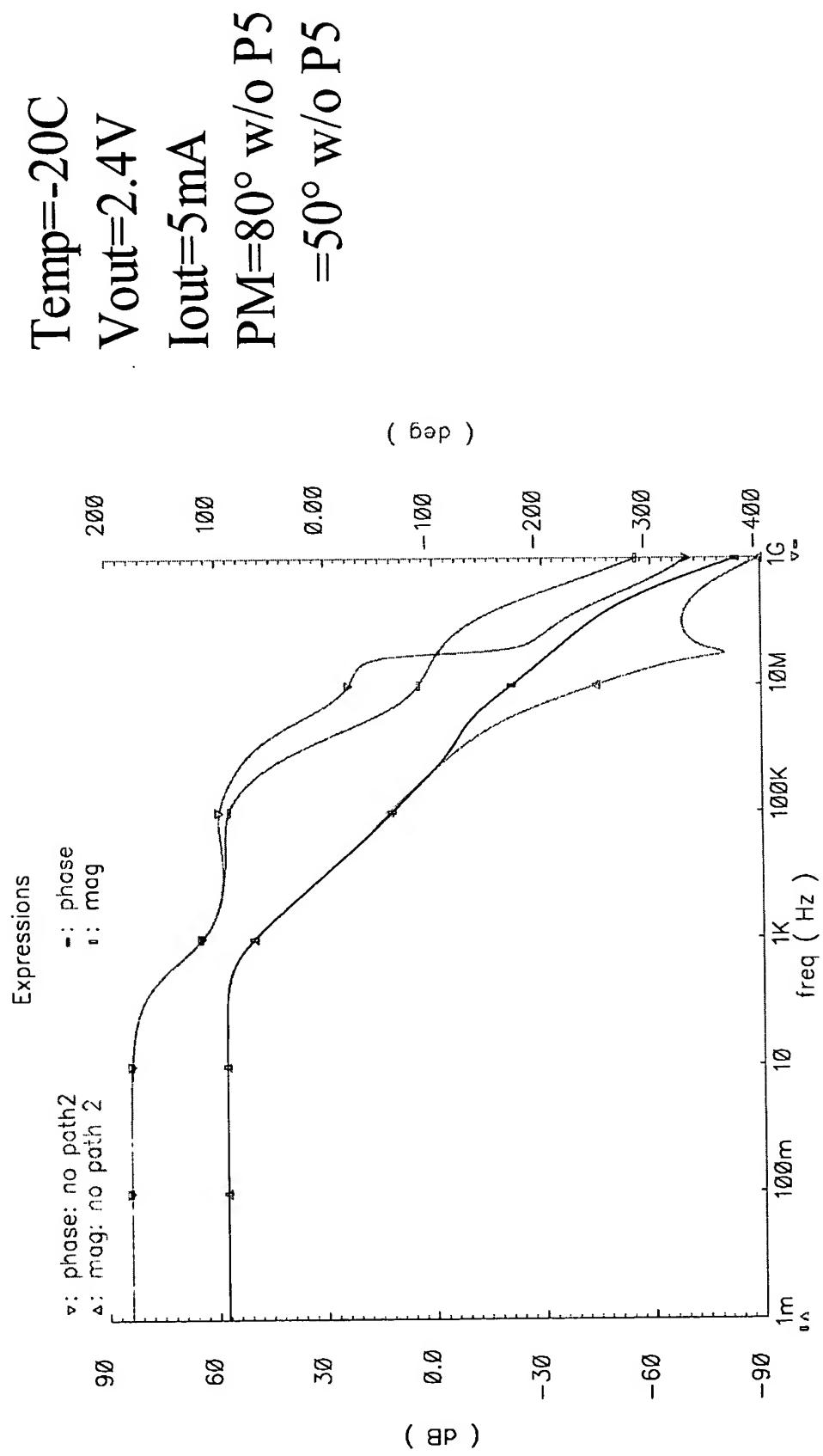


FIG. 4



**FIG. 5**

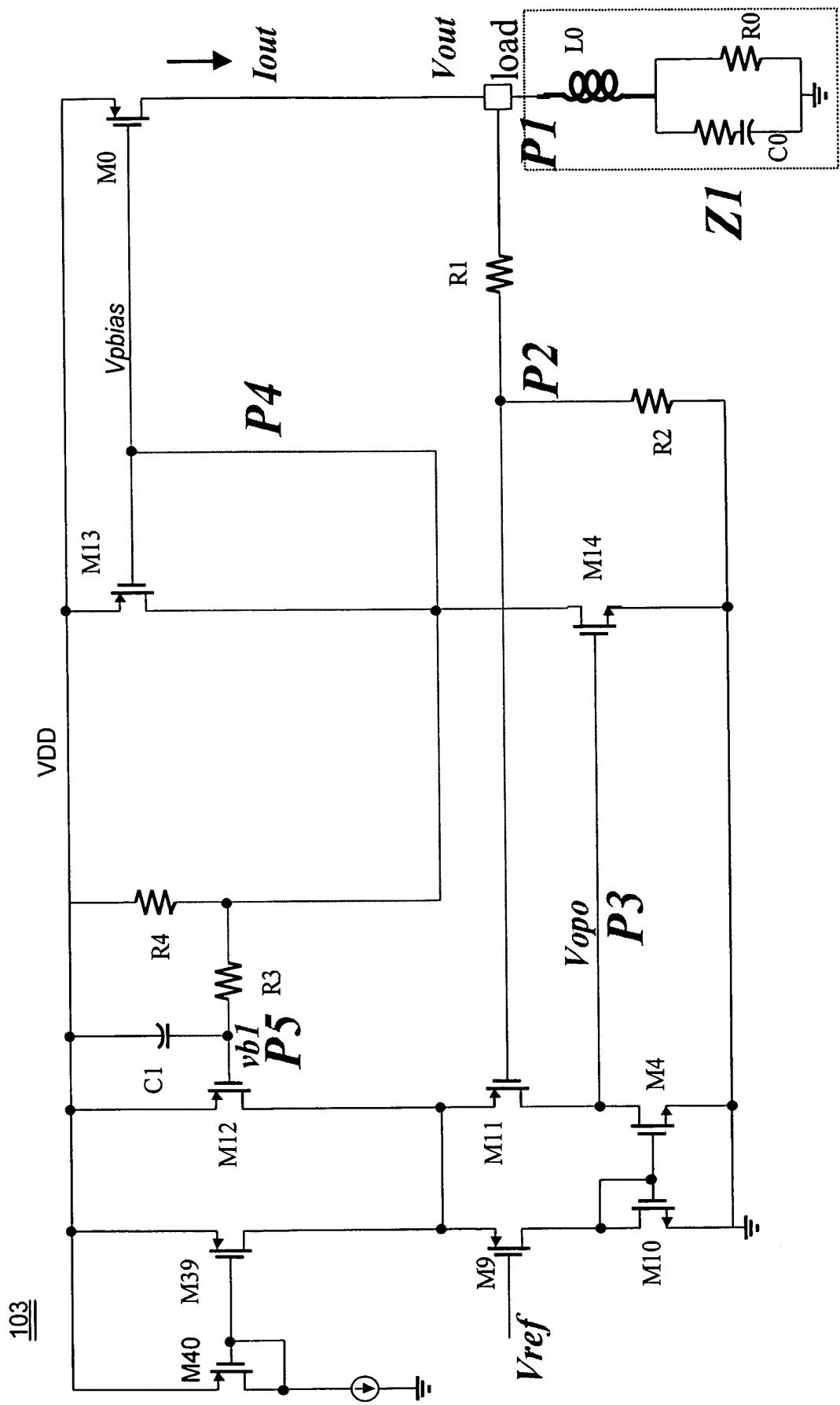


FIG. 6

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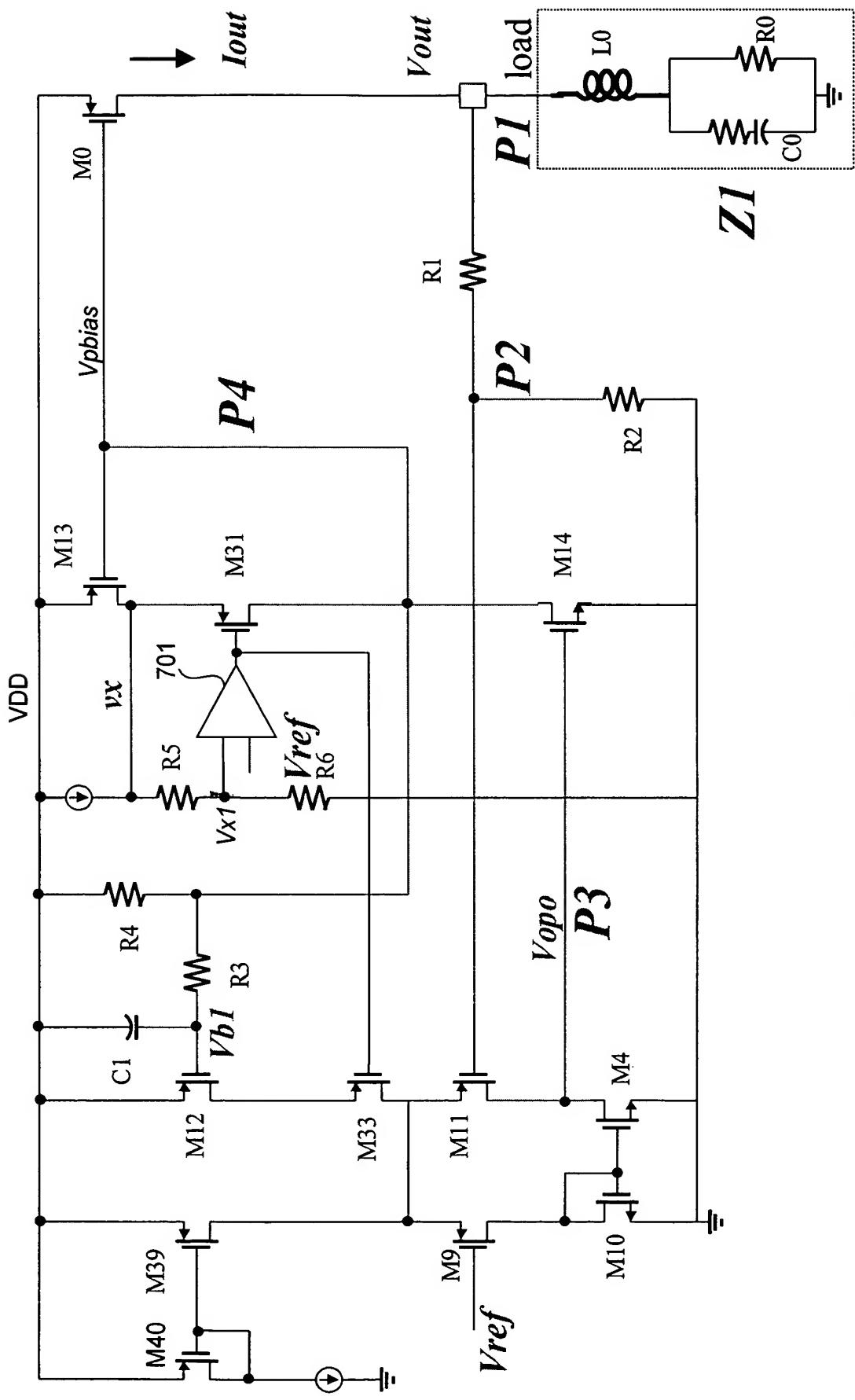


FIG. 7

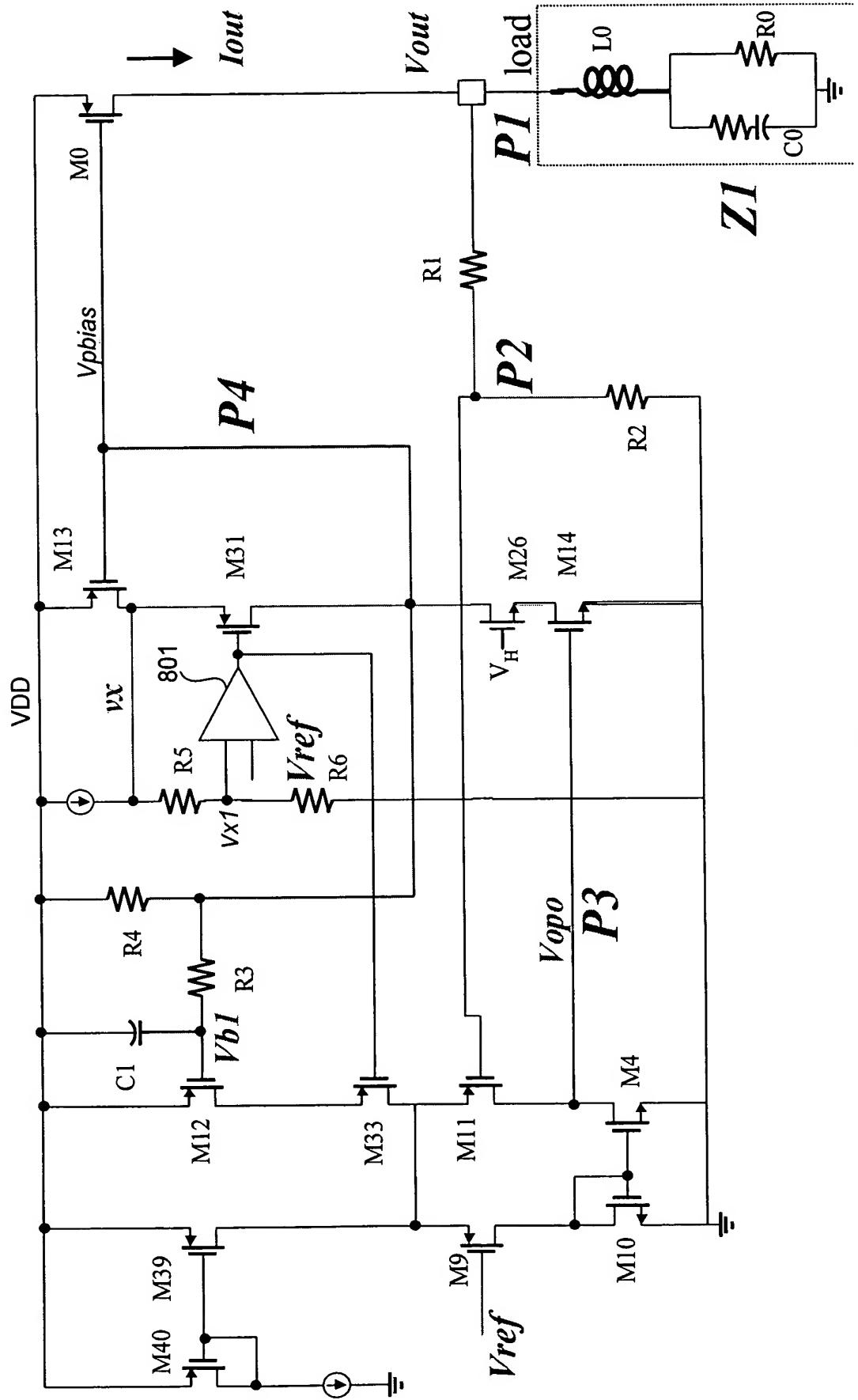


FIG. 8

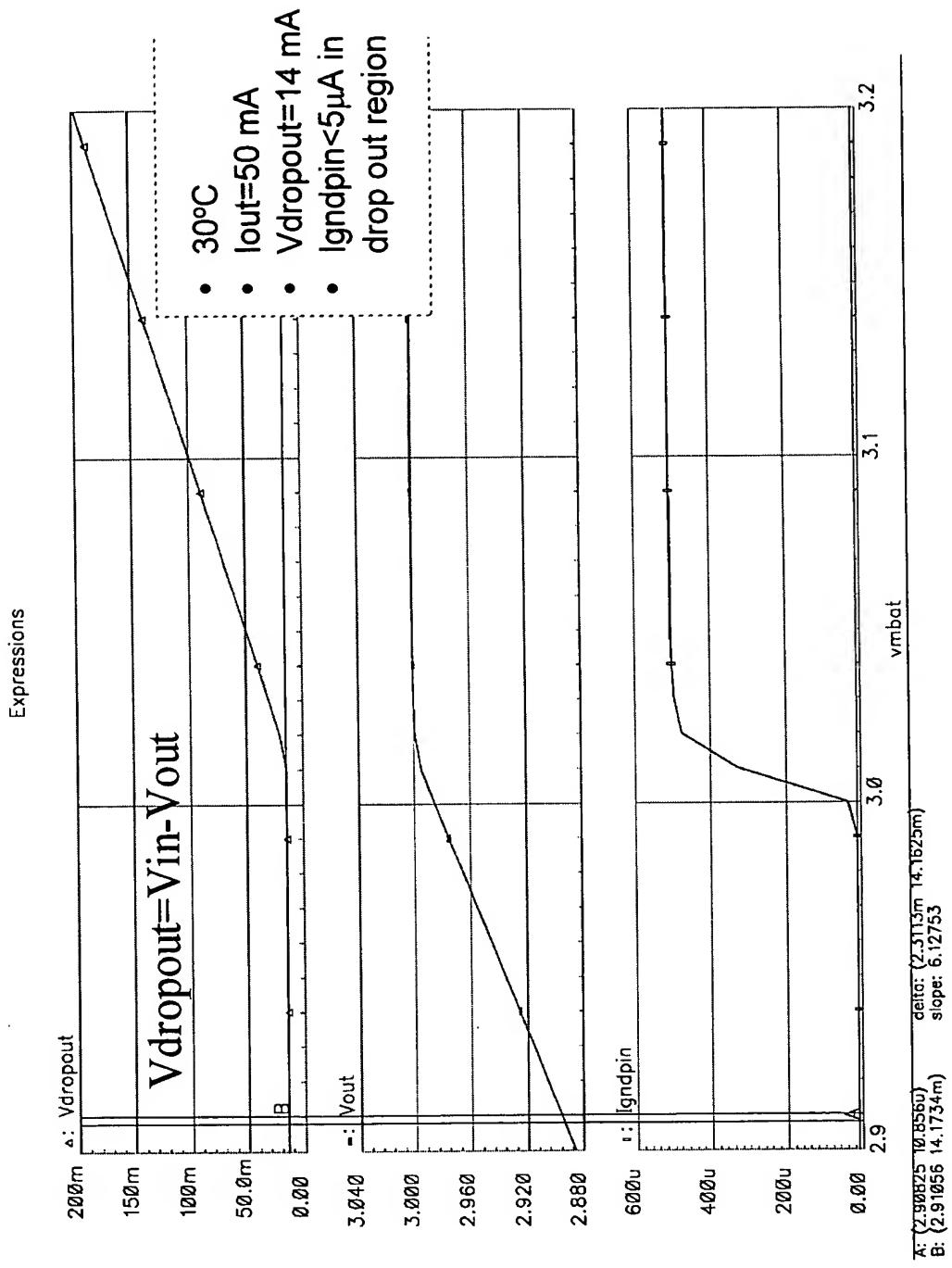
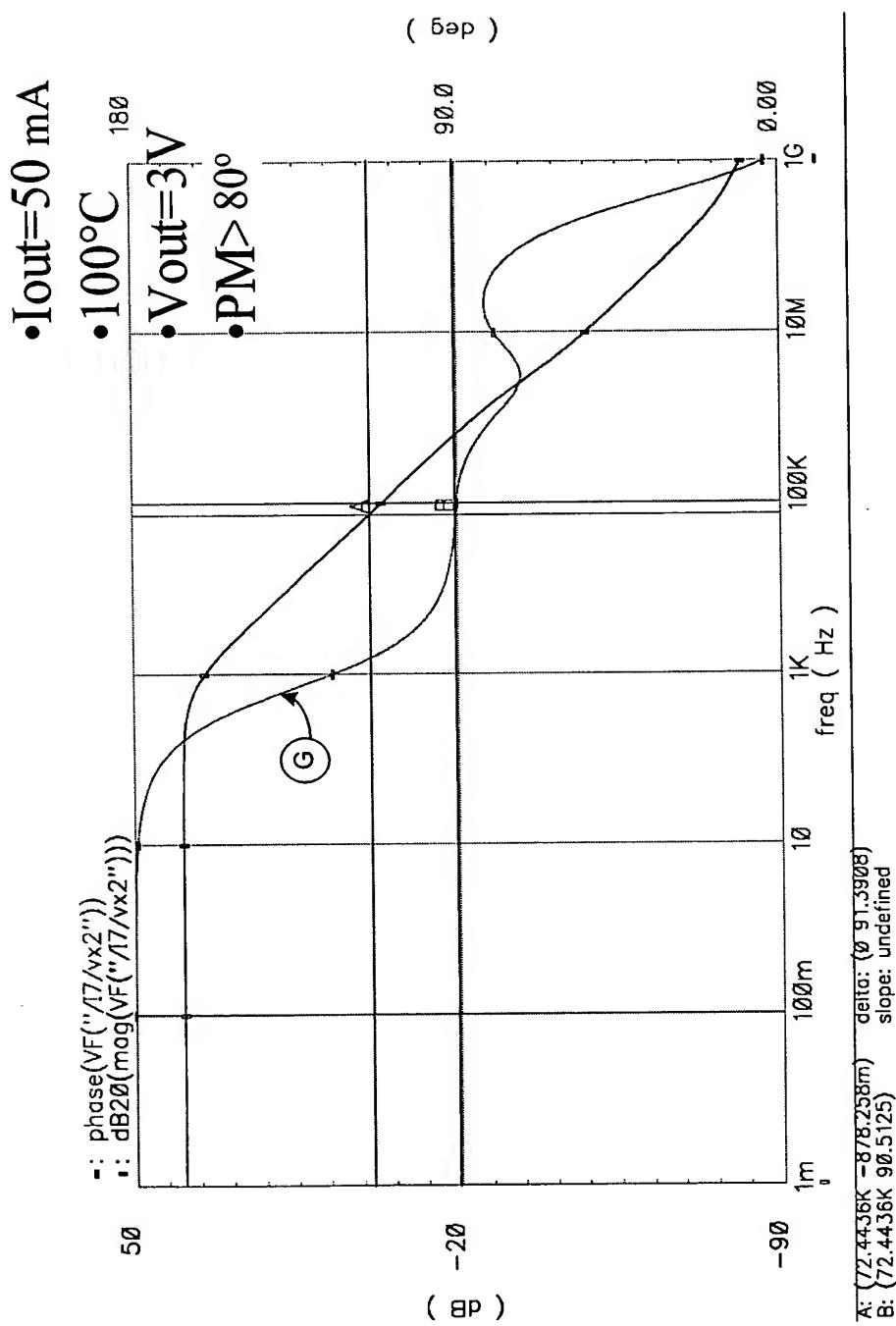


FIG. 9



**FIG. 10**

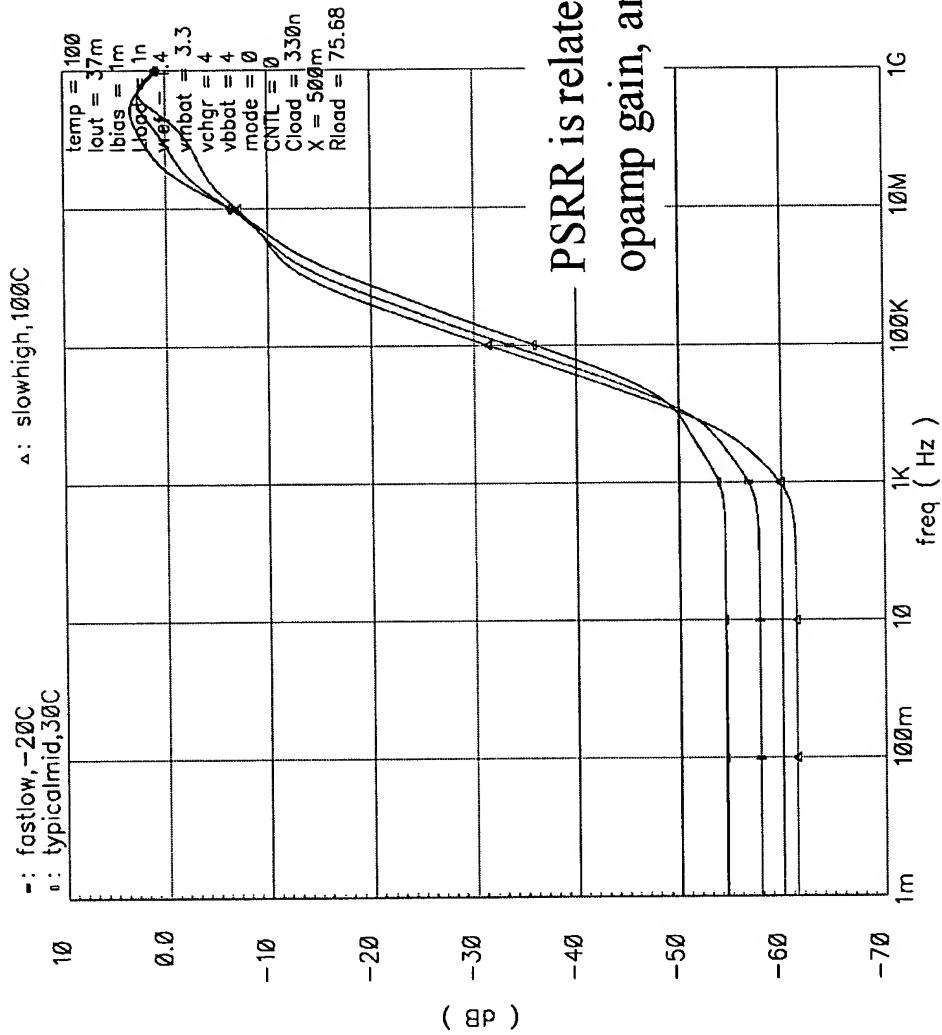
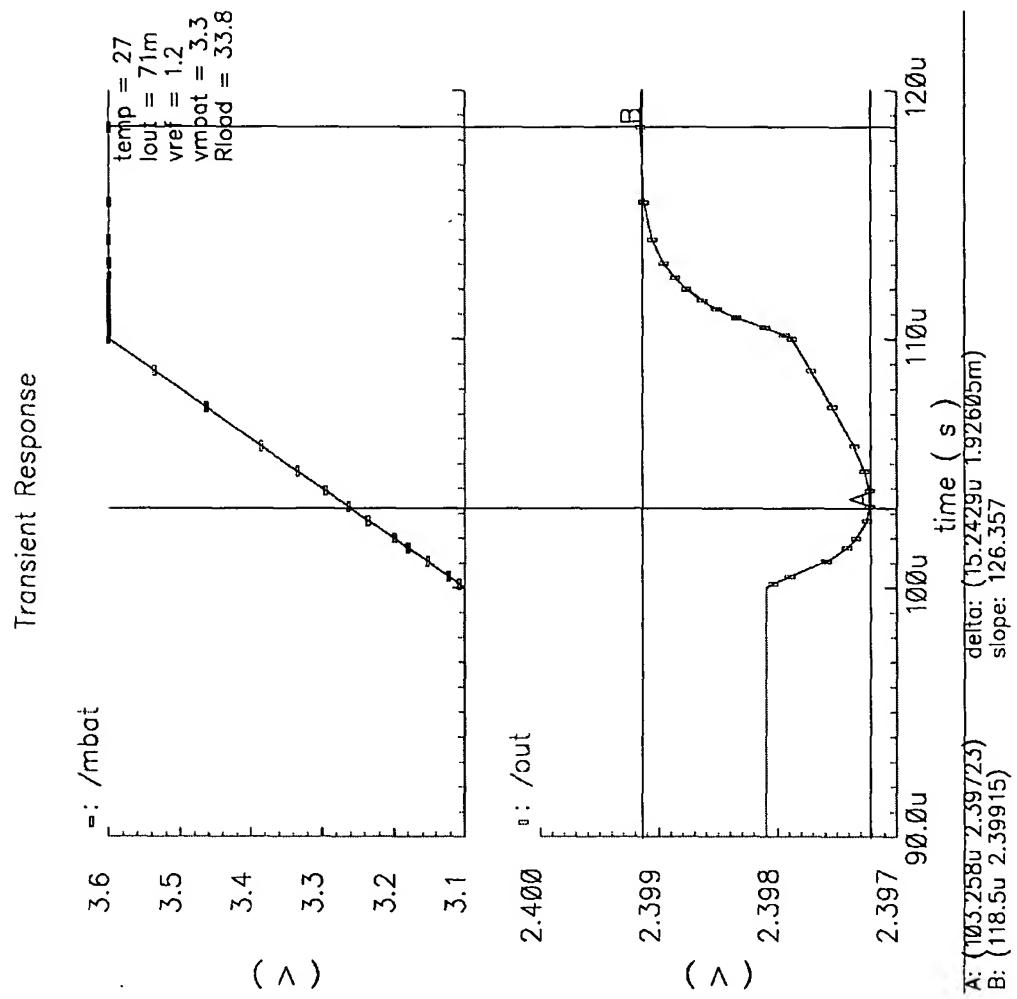
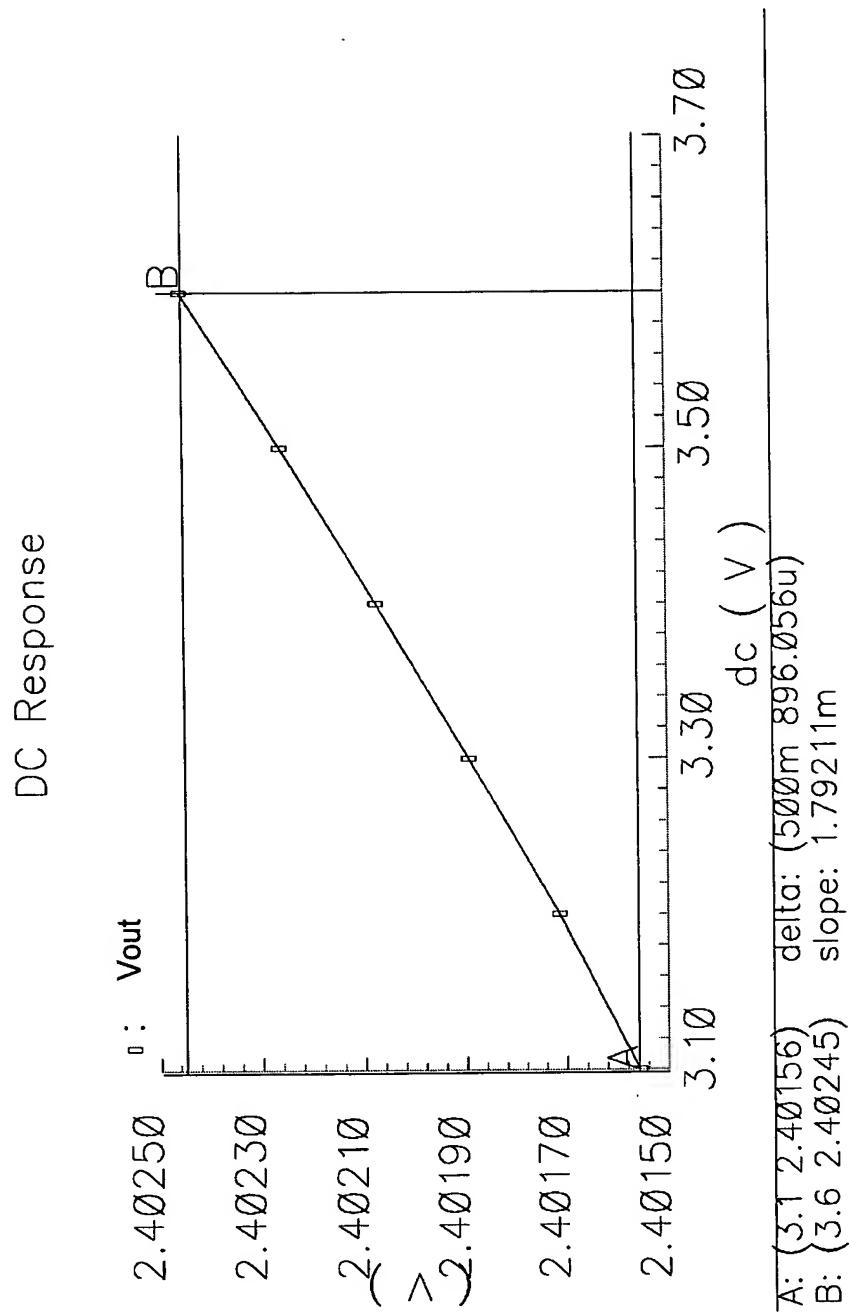


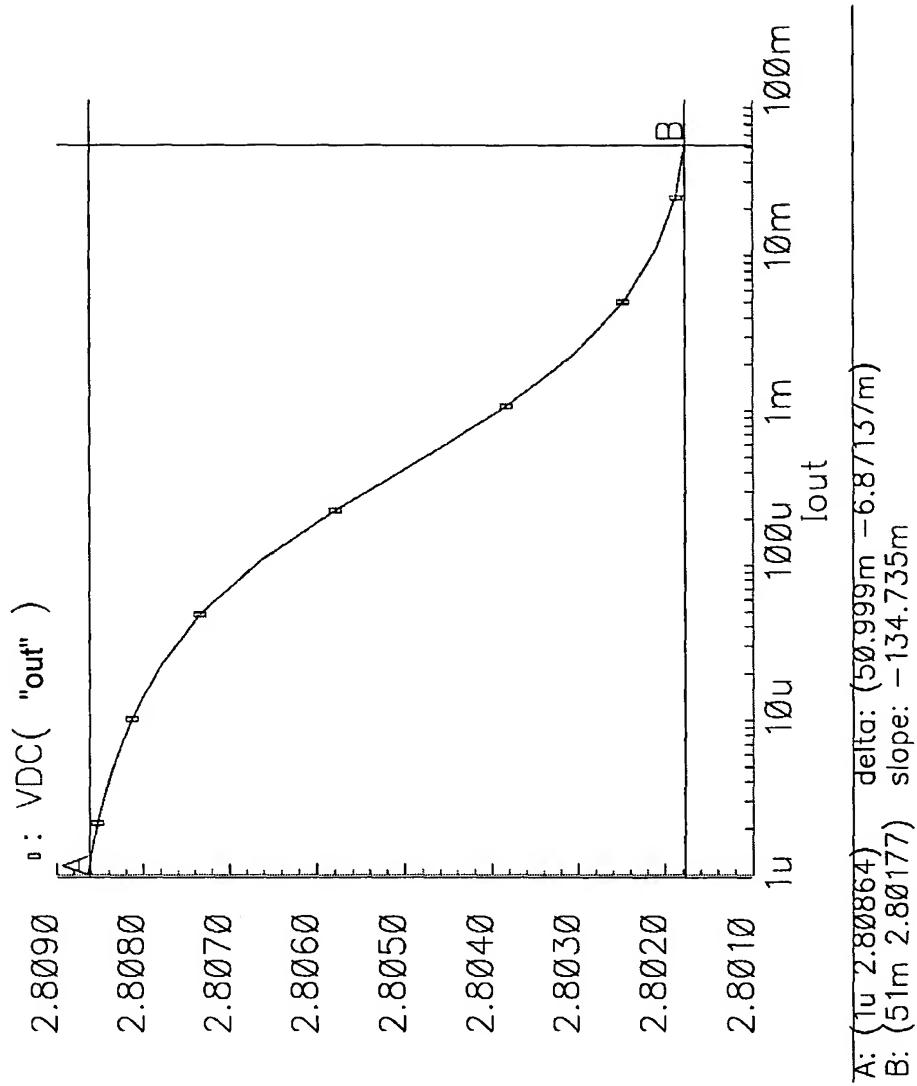
FIG. 11



**FIG. 12**



**FIG. 13**



**FIG. 14**

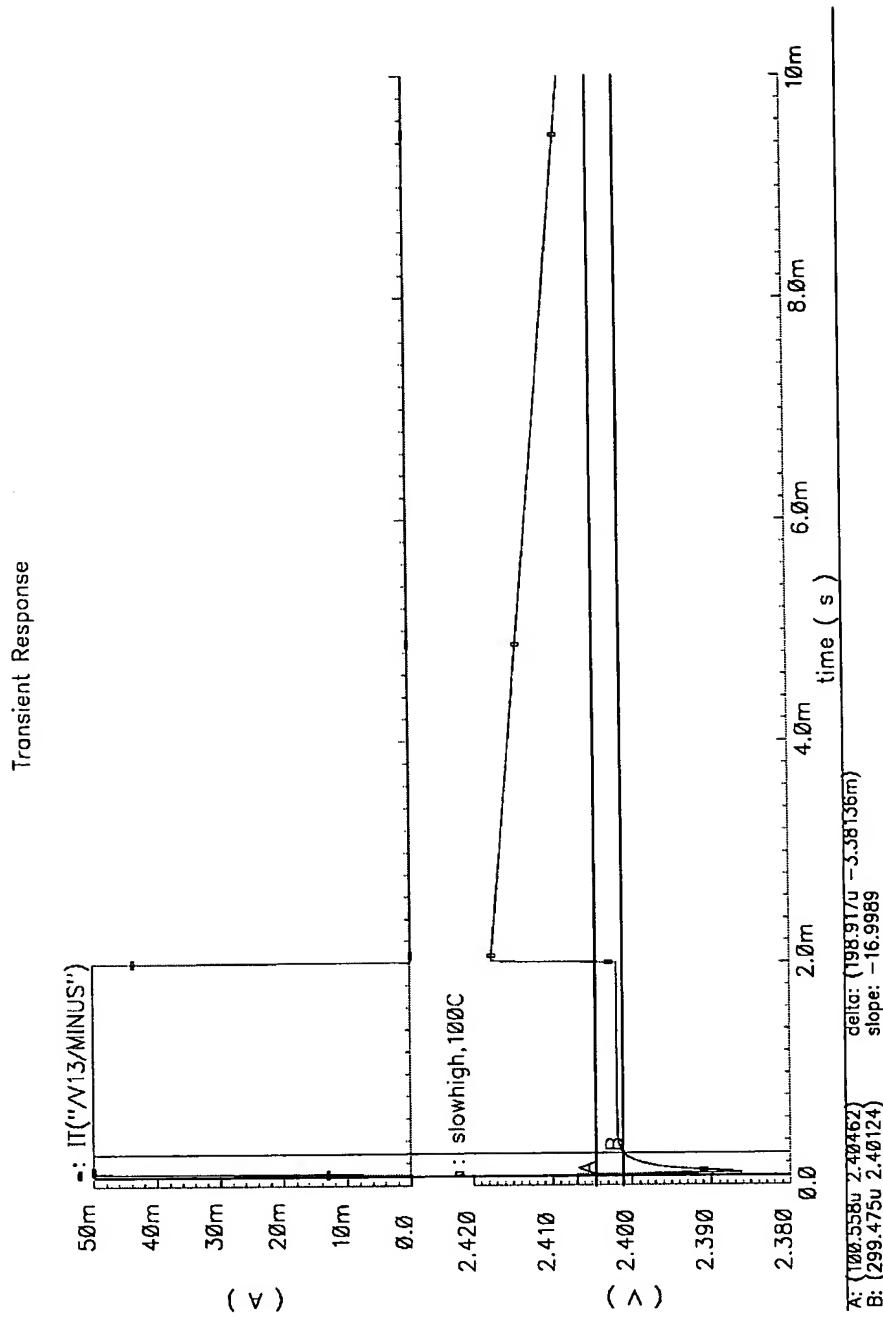
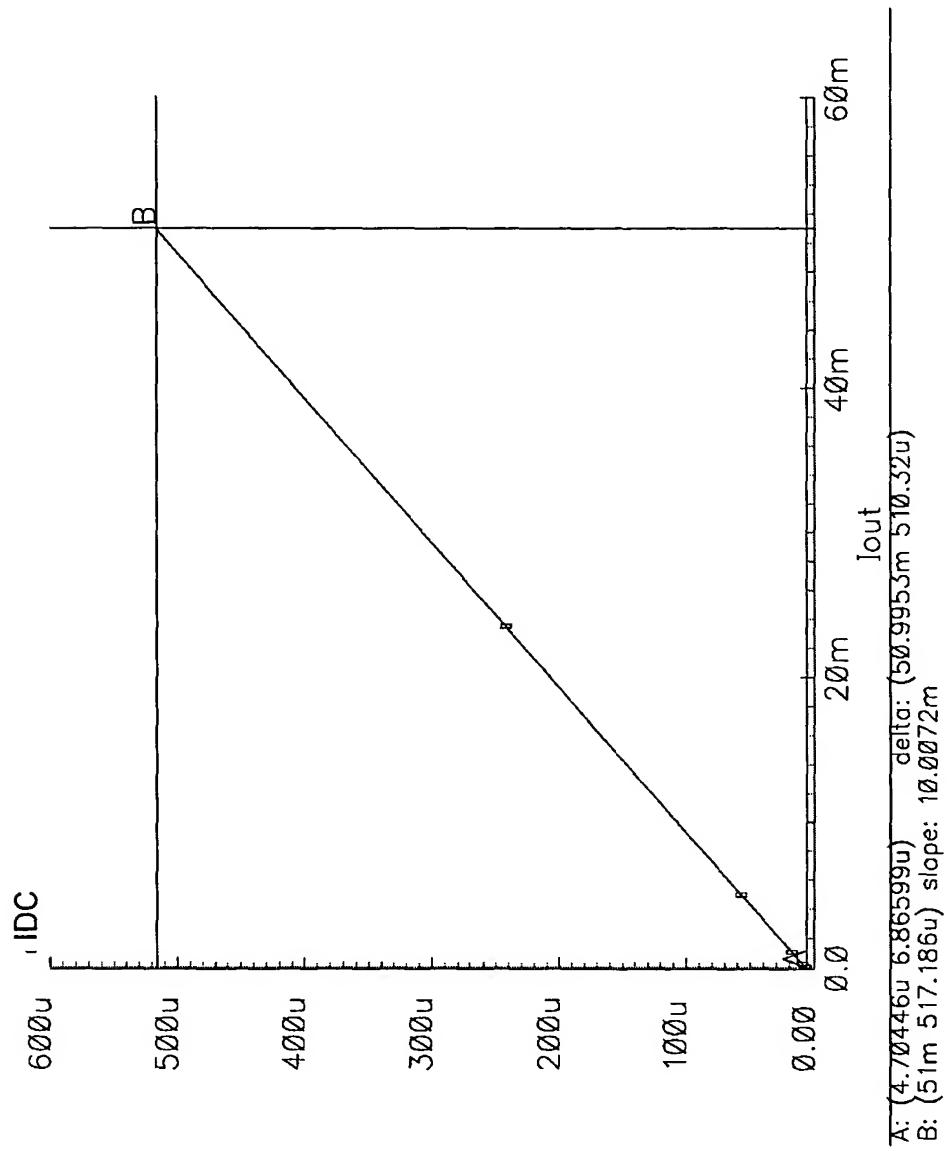


FIG. 15



**FIG. 16**

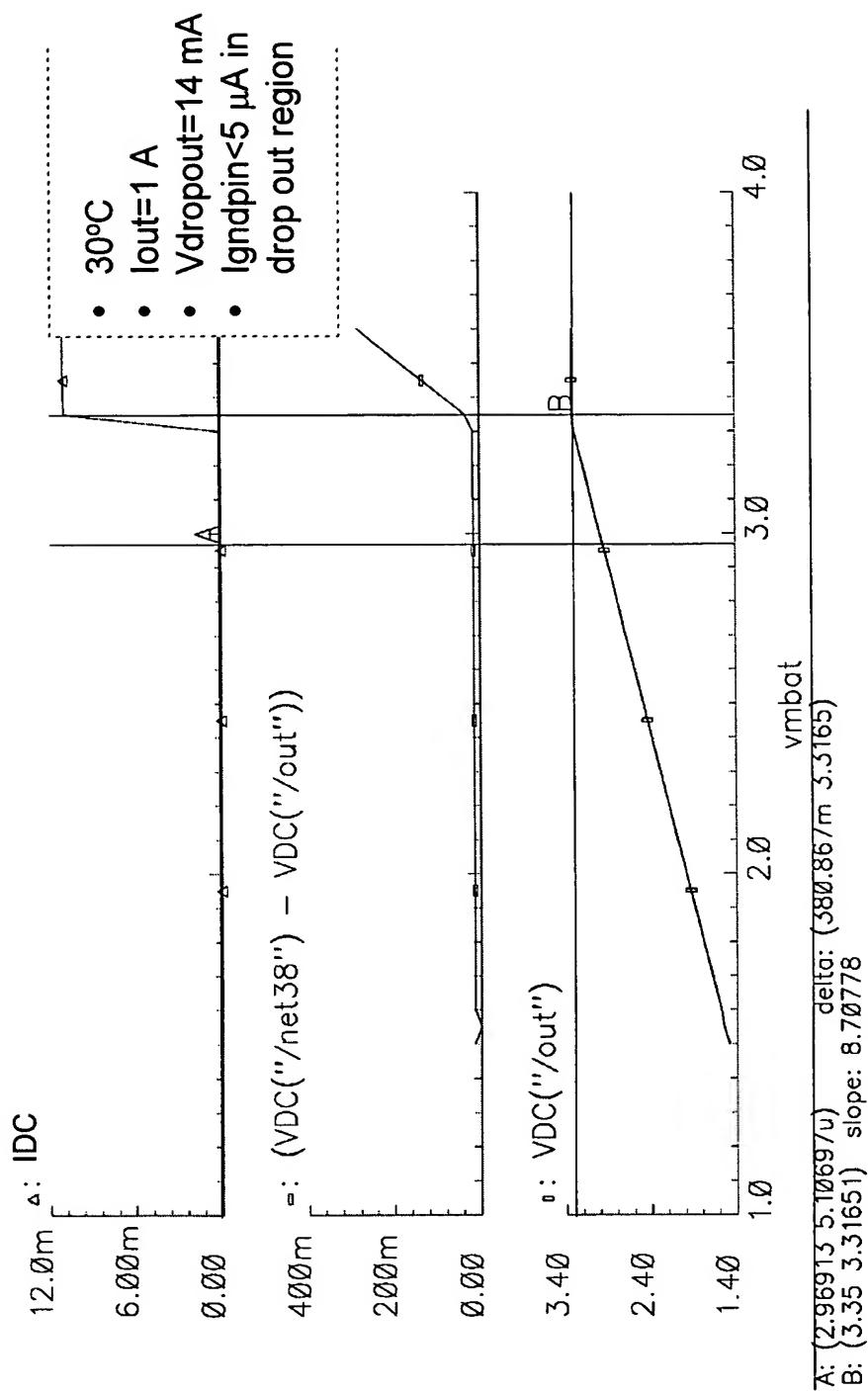
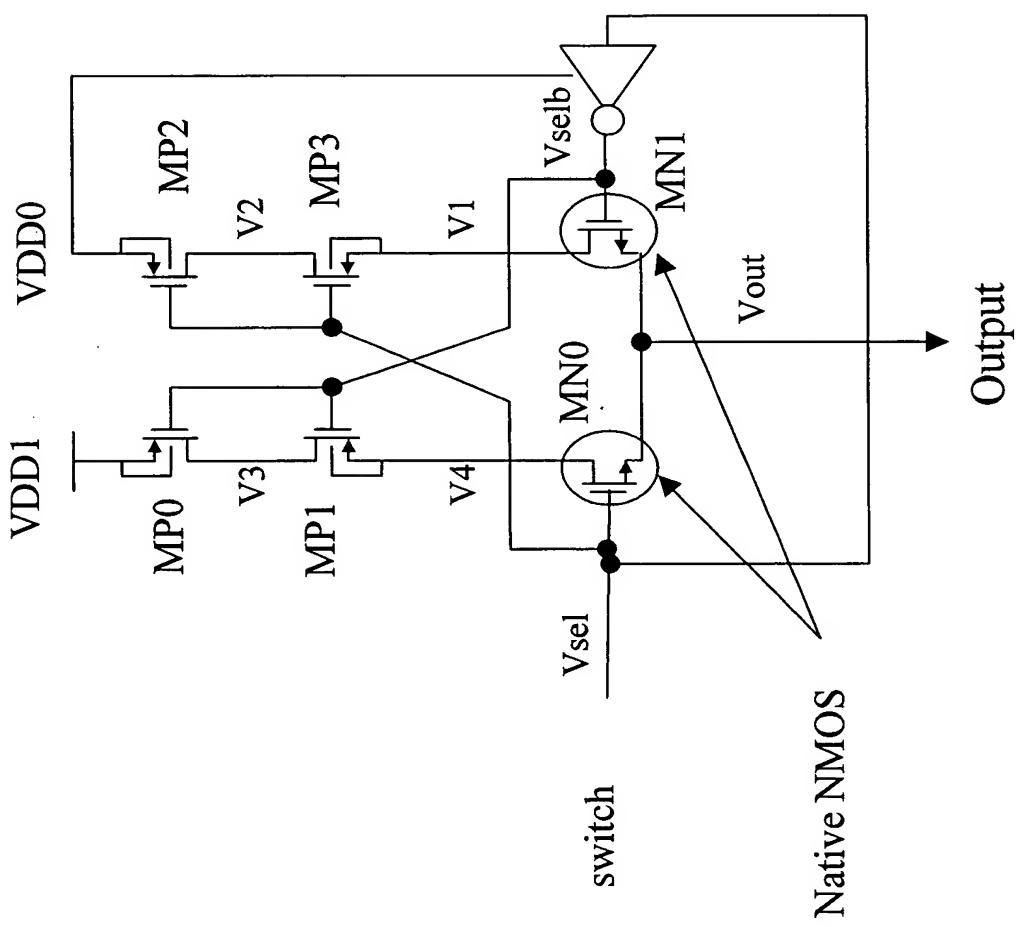


FIG. 17

spec	TI	Maxim	Philips	BRCM	Unit
Part #	TPS72116	MAX8875EUK15	PCF50604	BCM2123	
Output Current	150	150		150	mA
Output Voltage	1.22-2.5	1.5	-	1.2-3.2	V
VO Accuracy	+/- 3	+/- 3	+/-3.5	+/-3.5	%
Input Voltage	1.8-5.5	2.5-6.5		3.3	
Dropout voltage@150mA	150	165		14	mV
VO Line Step Response		40	3	0.9	mV
VO Load Regulation	0.014	0.01	0.01	0.002	%/mA
VO Load Step Response	6.3	0.9	4	0.9	%
Line Regulation	0.72	7.4	1	0.17	mV/V
Ground pin current@OFF	<1	<1	<1	<1	uA
Ground pin current@no load	85	85	30	7 or 21	uA
Ground pin Current@150mA	570	100	3000	1500	uA
Activation Time	20	20	130	12	uS
Output Noise Voltage(200-100K)	90	170		84	uV
PSRR@100Hz	48	60	60	58	dB
External Capacitor	1	10	4.7	3	uF

FIG. 18



**FIG. 19**